Evolution & Ecology Advising Track

Students pursuing a BS degree in biology may opt for the Evolution & Ecology track after two years of required core courses in biology, chemistry, math and physics. At the junior and senior level, the student must take 21 upper level credits including the three strongly recommended courses. A minimum of 2 courses must include a laboratory component; no more than one of these lab courses can be fulfilled by Research Project (BIO 440 or BIO 441). Given that many students in the Evolution & Ecology track are considering advanced training, we strongly advise that students take Calculus, Physics with a lab, and a number of upper division biology credits that significantly exceed the minimum requirement of 21 credits.

**Strongly Recommended**
BIO 333  General Genetics  
BIO 314  General Ecology  
BIO 437  Evolutionary Biology

**Recommended**
The majority of remaining upper division courses should be topic courses or those that survey large taxa, such as the following:

BIO 316  Descriptive Oceanography  
BIO 317  Biology of Invertebrates  
BIO 321  General Microbiology  
BIO 350  Plant Biology  
BIO 370  Animal Physiology

BIO 415  Comp. Vert. Anatomy  
BIO 420  Animal Behavior  
BIO 421  Developmental Biology  
BIO 422  Immunology  
BIO 427  Molecular Biology  
BIO 430  Statistics

**Other suggested courses**
Fewer of the remaining upper division courses should be more ‘specialized’:

BIO 413  Biology of Fishes  
BIO 414  Biology of Marine Mammals  
BIO 454  Biology of Sharks  
BIO 471  Marine Microbiology

**Potential careers**
- Professor of biology (with emphasis in a variety of areas)
- High school biology teacher
- Laboratory or field research assistant
- Conservation biologist
- Environmental analyst
- Museum curator
- Ecologist

Revised: 2/24/12